SHARP®

MX-M350
MX-M450

Workgroup Monochrome Document Systems

Multi-tasking is a necessity in today's fast-paced business world. And with the Sharp MX-M350 and MX-M450 Document Systems, it's never been so easy to be so productive. With unparalleled reliability and best-in-class multifunction features, these powerful systems centralize document workflow and provide an efficient method of office communication. The heart of these multi-faceted performers delivers advanced copy, print, scan, and fax capabilities that enable busy workgroups to seamlessly share information more efficiently and cost effectively. Built-in software makes it easy to manage, edit and distribute documents simply and securely. And that's not all, the modular design of the new MX-M350 and MX-M450 Document Systems provides the features you need today, as well as the expandability for workflow applications as your business needs evolve.

- Large 8.9" (measured diagonally) Touch-Screen LCD Display
- Scan^{2}™ Technology increases productivity, enhances reliability, and preserves document integrity
- 50-sheet Duplex Single Pass Feeder for increased efficiency
- Document filing system enables users to easily archive documents (standard on N models)
- 40 GB Hard Drive offers heightened processing power (standard on N models)
- TIFF and PDF Direct Printing for advanced flexibility*
- Auto Duplexing on stocks up to 97 lb. index
- IPv6 support with advanced security feature*
- LDAP support with optional Network Scanner Expansion Kit
- Scan to network folders using SMB for quick scanning without complicated applications*

Redefining productivity...again

Ideal for fast-paced, mid-volume workgroups, Sharp's new MX-M350/M450 Document Systems raise the bar on productivity. With an online paper capacity of 3,100 sheets, these advanced performers deliver fast copy/print speeds of 35/45 ppm, accelerating your workflow like never before.

Lightning-fast Scan^{2} Technology

With a robust engine controller and Scan-Once, Print-Many memory management, the MX-M350/M450 Document Systems produce laser-quality **600-dpi** output. And there's more. With Sharp's innovative **Scan^{2} Technology and 50-sheet Duplex Single Pass Feeder,** Sharp's new MX-M350/M450 Document Systems scan a duplexed document in one single pass, reducing misfeeds and improving reliability. Now large copy jobs can be completed in about half the time!

Simplified ID card duplication

Need to copy 2-sided cards for identification or insurance purposes? The innovative **Card Shot** function copies both sides of the card in two easy steps! The first side of the card is stored into memory as the second side is captured. Both sides are output onto one side of paper—reducing consumables and saving time.

More power when you need it

To maximize your systems during busy periods or print documents concurrently at different locations, use **Network Tandem Printing.** Easily connect two MX-M350/M450 Document Systems—even if they are in different locations—without the hassle of special cables. Plus, each system doesn't need to be identically configured, enabling you to Tandem Print with just a few keystrokes quickly and easily.

Professional finishing at your command

For added versatility, the MX-M350/M450 Document Systems offer advanced paper handling options that put you in control of your workflow—and your deadlines. The MX-M350/M450 Document Systems also offer a choice of optional finishers, so you can output high-quality, professionally-finished documents without the cost of outsourcing. On-demand, on-the-fly finishing empowers your workgroup to create proposals, handouts, newsletters—virtually anything that your business might require—quickly and easily.

With a wide array of capabilities, you can choose either the **Two-Tray Finisher** or the **Saddle-Stitch Finisher** which include 3-position stapling, center folding, a 50-sheet stapling capacity, and more. Add more versatility with the **Mail Bin Stacker**, which offers a 250-sheet face-down delivery of documents as well as seven 100-sheet mail bins to make distribution effortless.

** Some features require optional equipment.*

MX-M350/MX-M450 SPECIFICATIONS

Main Specifications

Base Models:	**MX-M350N/M450N:** Multifunction monochrome document system; multitasking CPU with 64 bit RISC 466 MHz processor; PCL6/5e network printing system; 40 GB HD with document filing system **MX-M350U/M450U:** Multifunction monochrome document system; multitasking CPU with 64 bit RISC 466 MHz processor; PCL6/5e printing system with USB-2 interface (upgradeable to N version)
Type:	Console, modular digital document system
Functions:	Copy, print, network print, network scan, and fax[2]
Copy System:	Dry electrostatic transfer system
Exposure Source:	Xenon lamp
Photoconductor:	OPC
Developer Type:	Dual component / magnetic brush development
Fusing System:	Heat roller
Originals:	Sheets, bound documents
Original Size (Max):	11" x 17"
Copy Size:	Min. 5 1/2" x 8 1/2", Max. 11" x 17"
Copy Speed:	35/45 copies per minute (8 1/2" x 11": Standard resolution)
Continuous Copy:	Max. 999 copies
First Copy Out Time:	4.9/4.4 Seconds (document glass); 6.0/5.3 Seconds (DSPF) (Based on letter size original with polygon motor running)
Warm-Up Time:	80 seconds or less
Magnification Range:	25% to 400% in 1% increments (with DSPF 25%-200%)
Fixed Magnification:	25%, 50%, 64%, 77%, 100%, 121%, 129%, 200, 400%
Original Feed System:	50-sheet duplex single pass feeder (DSPF) with original size detection (30 sheets for ledger/legal size)
Scan Speed:	Up to 45 OPM (letter size/standard resolution/1 side)
Original Sizes:	5 1/2" x 8 1/2", 8 1/2" x 11", 8 1/2" x 11" R, 8 1/2" x 14", 11" x 17" (15-34 lbs.)
Paper Feed System:	Standard: (1) 500-sheet 8 1/2" x 11" paper cassette Optional: (1) 2,500-sheet Multi-purpose desk (500-sheet MP drawer + 2,000 sheet letter size drawer, or (1) 1,500-sheet paper drawer (1 MP + 2 letter/legal/ledger drawers), or (1) 500-sheet MP drawer + optional cabinet.
Paper Type:	Standard and optional letter size paper drawers: 16-28 lb. plain bond paper. Other paper types include recycled, pre-printed, pre-punched, color, and letterhead.
Multi-purpose Drawers:	Plain paper (16-34 lbs.), letter/legal/ledger/statement size paper, index paper (97 lbs.), cover paper (54-55 lbs.), transparency film (20 sheets), letterhead, envelopes, and labels.
Duplexing:	Optional duplex module AR-DU3, non-stacking duplexing unit or AR-DU4, non-stacking duplexing unit with 100-sheet manual bypass tray. Bypass paper types: plain paper (16-34 lbs.), tracing paper 14-15 lbs (single feed), index paper (97 lbs.), cover paper (54-55 lbs.), transparency film (20 sheets), letterhead, envelopes, and labels
Interface:	USB-2.0, RJ-45 (N models)
Controller Type:	466 MHz Multitasking
Memory (total):	128 MB shared, expandable to 384 MB with 256 MB DIMM
Hard Disk Drive:	40 GB; 16 GB for document filing/24 GB for enhanced copy, print, and scan operations (standard on N models)
Copy Resolution:	Scan: 600 dpi; Copy output: 1,200 dpi (equivalent)
Exposure Modes:	Text, text/photo, photo; auto; 9 step manual
Halftone:	256 gradations/2 levels
Copy Features:	Scan-Once Print-Many, electronic sorting, Auto Paper Sensing (APS), Auto Magnification Sensing (AMS), auto tray switching, X-Y zoom, reserve copy, tandem copy (N models), book copy, margin shift, job build, edge erase, center erase, dual page copy, cover pages, insert pages, transparency insert, card shot, multi-shot, reverse image, mirror image, cover page, document filing (N models), department control, job programs, date stamp, character stamp, and page stamp.
Department Control:	500
Job Build:	10,000 sheets (N models); based on memory (U models)
Output Tray Capacity:	Main output tray (top) up to 400 sheets (face down)
Firmware:	Flash ROM with USB and remote update Management
Power Requirement:	AC 100-127 VAC, 60 HZ, 12 Amps
Power Consumption:	MX-M350: Max 1440 W, pre-heat 184.75 W, sleep mode 80 W MX-M450: Max 1440 W, pre-heat 223.25 W, sleep mode 95 W
Weight:	Approx. 223.6 lbs.[2]
Dimensions:	38 3/16" (w) x 26 11/64" (d) x 44 23/64" (h) [2]

Printing System (Standard)

PDL:	PCL6 (XL), PCL5e compatible
Resolution:	1200 dpi (equivalent), 600 dpi, 300 dpi
Print Speed:	35/45 pages per minute (8 1/2" x 11")
Print Drivers:	Windows® 98/ME, 2000, XP, Vista™, 2003 Server; 2003 Server x64 (GPD only), MAC® OS9, OSX (PPD only)
Software:	Print drivers, Printer Status Monitor, Printer Administration Utility
ROPM:	Yes (rip once print many)
Features:	Duplex printing, booklet print, binding edge, N-up printing, different cover page/last page, transparency inserts, carbon copy print mode, continuous printing, fit to page, watermarks, PIN printing, print hold, proof print, print auditor, print smoothing, font/form downloads, and PDF/TIFF direct print function.[1, 3] (Note: some features not available on certain print drivers).
Resident Fonts:	80 outline fonts standard, barcode fonts (optional)
Interface:	USB 2.0

Network Expansion Kit (Standard on N models)

Interface:	Ethernet; 10/100 BaseT
Network Protocols:	IPX/SPX, TCP/IP (IPv4; IPv6 and IPsec (LPD only)), Ether Talk, NetBEUI
Printing Protocols:	LPR, IPP, PAP, RAW TCP (Port 9100), FTP, Novell® PServer/RPrinter
Function:	Network printing including features of Local PC Printing System
Software:	Printer Status Monitor and Printer Administration Utility
Additional Features:	Tandem, Windows Cluster, E-mail to Print, FTP Push Print; Web submission and driver delivery via Printer Administration Utility (not available for all print drivers)
Security:	IP/MAC address filtering, protocol filtering, port management, user authentication

Network Scanner Expansion Kit (Option)

Original Size:	Up to 11" x 17", single or two-sided
Scan Output:	Resolution: 600, 400, 300, 200 or 100 dpi, PDF/TIFF/TIFF-F/Compressions
Scan Destinations:	E-mail, Desktop, FTP, Folder (SMB); Internet fax (opt)
Scan w/Metadata:	E-mail, Desktop, FTP, SMB
Network Protocol:	IPX/SPX, TCP/IP(IPv4, IPv6, IPsec (LPD)), Ether Talk, Net BEUI®
Supported Mail:	Mail servers supporting SMTP
Destinations:	Max. 999, including E-mail, FTP, Desktop Folder, Internet-Fax, and Group destinations Total of 100 Send to FTP and Desktop destinations can be stored
Security:	SSL, E-mail server user authentication and user account control, comprehensive access control and e-mail audit control
Software:	Sharpdesk® Desktop Document Management software (10 user license)

Two-Tray Finisher (Option)

Type:	Desktop finisher with dual exit trays (mounts on right side)
Output Trays:	Upper tray: Exit/Lower tray: Offset stack tray (face down)
Output Capacity:	Upper tray: 500 sheets (letter), also supports legal, ledger, statement size; Lower tray: 750 sheets (letter)
Stapling Media:	Plain paper, letter size
Stapling Positions:	1 front, 1 rear, or both
Max. Pages for Stapling:	30 sheets (letter size)
Dimensions:	18 7/64" (w) x 20 55/64" (d) x 20" (h)

Saddle-Stitch Finisher (Option)

Type:	Console finisher with dual exit trays (mounts on left side)
Output Trays:	Upper tray: Offset stack tray / Lower tray: Book tray for saddle stitch
Output Capacity:	Upper/lower tray: 1000 sheets (letter)/500 sheets (legal/ledger), also supports statement size
Staple/Sort Capacity:	Up to 50 sets (up to output capacity above)
Output Delivery:	Face down
Stapling Media:	Plain paper, letter/legal/ledger size or mixed letter/ledger
Stapling Positions:	1 front, 1 rear, or both
Saddle-Stitch Function:	Center stitch/center folding (2 staples) letter/ledger paper sizes
Saddle-Stitch Sets:	Up to 10 sets (6-10 sheets)/up to 20 sets (1-5 sheets)
Max. Pages for Stapling:	50 sheets (letter size)/25 sheets (legal/ledger size)
Hole Punching:	Optional hole punch unit AR-PN1B (2 holes/3 holes)
Dimensions:	24 29/64" (w) x 23 47/64" (d) x 39 23/64" (h)

Mail Bin Stacker (Option)

Type:	Desktop mail bin stacker with 8 tray exit (mounts on right side)
Output Trays:	Upper tray: Exit; Lower tray: 7 mail bins (face down)
Output Capacity:	Upper tray: Up to 250 sheets (letter), also supports legal/ledger/statement; Lower tray: Up to 100 sheets per bin (letter), also supports legal/ledger
Dimensions:	18 15/16" (w) x 20 55/64" (d) x 20" (h)

Super G3 Fax Kit (Option)

Transmission Mode:	Super G3, G3
Modem Speed:	33.6 KBPS[4]
Compression:	JBIG, MMR, MR, MH
Scanning Method:	Sheet fed simplex or duplex or book
Max. Resolution:	400 DPI (ultra-fine)
Transmission Speed:	Approximately 2 Seconds with JBIG[4]
Auto-Dial Destinations:	Up to 999 (N models); Up to 500 (U models)
Group Destinations:	Up to 500 (N models); Up to 300 (U models)
Long Length Originals:	Up to 31.5" (for transmission)
Programs:	8 profiles
Memory:	2 MB standard/10 MB max. (8 MB option)
Halftone:	256 levels
Timer functions:	Up to 50 jobs

Optional Equipment

MX-EFX1:	Scanner module[6]
AR-RK2:	Scanner rack[6]
AR-D27:	1,500-sheet paper drawer (1 MP + 2 letter/legal/ledger)[6]
AR-D28:	2,500-sheet paper desk (2,000-letter + 500-sheet multi-purpose)[6]
AR-MU2:	500-sheet multi purpose drawer (requires AR-45ABD cabinet)[7]
AR-45ABD:	Cabinet[6]
AR-DU3:	Standard duplexing unit[7]
AR-DU4:	Duplexing unit with 100-sheet bypass tray[7]
AR-TE3:	Exit tray (left exit)
AR-TE4:	Upper exit tray (right exit)
AR-TE5:	Right side cabinet/exit tray
AR-FN6:	Two-tray finisher (right side mount)
AR-FN7:	Saddle-stitch finisher (left side mount)
AR-PN1B:	Hole-punch unit (for AR-FN7)
AR-MS1:	Mail bin stacker (right side mount)
AR-PF1:	Bar code font kit
AR-PK6:	Postscript® 3™ Compatible Expansion Kit
MX-NSX1:	Network Scanning Kit
MX-NBX2:	Network Expansion Kit
MX-NBX3:	Network Expansion Kit with 40 GB HD and Document Filing Systems[5]
MX-FRX6U:	Commercial Data Security Kit (for N models)
MX-FRX7U:	Commercial Data Security Kit (for U models)
MX-AMX1:	Application Integration Module[1]
MX-AMX2:	Sharp OSA™ Application Communication Module[1]
MX-AMX3:	Sharp OSA External Accounting Module[1]
AR-FX12:	Super G3 Fax Kit
AR-MM9:	8 MB fax upgrade memory
MX-FWX1:	Internet Fax Expansion Kit[1]

Supplies

AR-455MT:	Toner Cartridge
AR-455MD:	Developer
AR-455DR:	Drum cartridge

1 Some features require optional equipment.
2 Includes scanner, scanner rack, and multi-purpose desk.
3 Supports PCL/Text, TIFF, PDF, and PS3 files.
4 Based on ITU Test chart #1 in standard resolution, actual transmission speed and time will vary based on line conditions.
5 Upgrades U model to N model functionality.
6 Available with package. See your local Authorized Sharp Dealer.
7 MX-M450 models require optional AR-DU3 or AR-DU4 duplexing unit to fully qualify for *ENERGY STAR*®.

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